

## CLAIMS

1. A gutter block structure characterized in that a vegetable fiber layer is integrally attached to an inner surface of a water-permeable concrete material which serves as a water channel.

2. The gutter block structure according to claim 1, characterized in that a bonding material to form the concrete material is an inorganic material and/or an organic material.

3. The gutter block structure according to claim 1, characterized in that an aggregate constituting the concrete material is a lightweight aggregate.

4. The gutter block structure according to claim 1, characterized in that the vegetable fiber layer is formed of palm fibers.

5. The gutter block structure according to claim 1, characterized in that a sidewall surface which serves as the inner surface is formed into a stepped shape.

6. The gutter block structure according to claim 1, characterized in that a bottom surface which serves as the inner surface is formed into an irregular shape.

7. The gutter block structure according to claim 1, characterized in that both the sidewalls are formed into

a curved shape or S-shape.

8. The gutter block structure according to claim 1, characterized in that an outer wall surface is formed to bulge outward in a curved shape.

9. A gutter block structure characterized in that an outer wall surface is formed into an oval or spherical shape, and parts on an upper side serve as openings for a water channel, and a protrusion is provided in a standing state at the bottom of an inner surface, and a vegetable fiber layer is integrally attached to an inner surface which serves as the water channel.

10. A water channel characterized in that a plurality of gutter block structures according to claims 1 to 8 are coupled or a plurality of properly combined gutter block structures are coupled and installed in an extending state.

11. A water channel characterized in that a water channel according to claim 10 is combined with a gutter block structure according to claim 9 so that they are coupled and then installed in an extending state.

12. A method of manufacturing a gutter block structure in which a mold form is framed by a bottom mold form, an inner mold form, outer mold forms and side mold forms, the method characterized by comprising: attaching vegetable fibers to the surface of the inner mold form;

casting a concrete material into a space formed by the mold form; and pressing the concrete material from the top by pressing means to firmly bond the concrete material to the vegetable fibers, thereby forming the block structure.